REVANTH D RAMPAL

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CAREER OBJECTIVE

Aspiring to leverage my expertise in data science to contribute meaningfully to a forward-thinking organization. I seek a role that offers a rewarding career path, where I can drive impactful, data-driven insights while refining my skills through collaboration, innovation, and continuous learning.

EDUCATION

2024 2020	**Rajiv Gandhi University of Knowledge Technologies, IIIT RK Valley** Bachelor of Technology in Comuter Science and Engineering	**8.0/10**
2020 2018	**Rajiv Gandhi University of Knowledge Technologies, IIIT RK Valley** Pre University Course(XI and XII)	**7.35/10**
2018	**St. Marys Public School** Class X ICSE Board	**10.0/10**

WORK EXPERIENCE

Research Intern │IISC Bangalore   **May 2022 - August 2022**

- Conducted in-depth exploration of cellular automata, focusing on alpha-asynchronous cellular automata.
- Simulated the evolution of automata and identified converging rules through a complex program.

TECHNICAL SKILLS

Languages & Skills : Python
Libraries : NumPy, Pandas, Matplotlib, Seaborn, OpenCV
Machine Learning : Scikit-Learn
Technologies : Computer Vision
Web Technologies : HTML, CSS, Bootstrap, JavaScript
Databases : SQL
Operating Systems : Linux, Windows

PUBLICATIONS

Indian Summer School on Cellular Automata   **August 29, 2022**

- Researched and published a paper on convergence in alpha-asynchronous cellular automata under the mentorship of Souvik Roy.

https://www.cellularautomata.in/SummerSchool/SummerSchool1/IndianSummerSchool2022.pdf

COURSES AND CERTIFICATIONS

- **Machine Learning Specialization**   **Coursera — Stanford Online** link
- **Azure AI Fundamentals**   **Microsoft —** link

PROJECTS

Capsule | Online Pharmacy System link 🔗
- Implemented a streamlined ordering and delivery process for an online pharmacy platform, increasing customer convenience by 56% through an extensive selection of medicines.
- featured an extensive product catalog, user-friendly interface, secure transactions, and real-time inventory updates with notifications.
- **Technologies Used:** HTML, CSS, Bootstrap, JavaScript, SQL.

Vehicle Validation using Automatic Number Plate Detection(ANPR) link 🔗
- Developed a cutting-edge vehicle validation system using Automatic Number Plate Recognition (ANPR), integrating machine learning algorithms that improved recognition accuracy by 30% and bolstered security measures for over 100 vehicles.
- Developed a user-friendly GUI for seamless interaction and optimized performance, enhancing vehicle monitoring, security measures, and operational efficiency.
- **Technologies Used:** Python, Machine Learning, OpenCV, YOLO, Matplotlib,GUI

Digitalization in the field of Medicine -EHR link 🔗
- Digitized health records through an EHR linked to government APIs for drug verification, enhancing medication management and patient care while ensuring regulatory compliance and data security.
- Utilized OpenCV for facial recognition to accurately identify patients, enhancing the efficiency of health record management in the project.
- **Technologies Used:** Python, OpenCV, Machine Learning, Tkinter, Firebase.

PERSONAL PROJECTS
Haztag India
- Conducted analysis of two-wheeler road accidents, identifying causes and proposing solutions while raising awareness to enhance safety measures.
- Designed and produced a custom emergency sticker to enhance safety awareness.

POSITIONS OF RESPONSIBILITY
- **E-Cell, Cell Core Committee Member (Apr '21 - May '23):** Promoted innovation and entrepreneurship among students.
- **NSS, Unit Head (Feb '22 - Oct '23)**: Led community service projects, enhancing leadership skills.
- **Film and Media Club, Chief Editor and Colorist (Apr '21 - Jan '24):** Supervised production and visual design of college publications and media.
- **Mission Million English, Team Lead (2020):** Managed initiatives for English education for underprivileged individuals.

ACHIEVEMENT
- **4-Star** rating on CodeChef for problem-solving, **Global Rank 3072** (January 2022).
- **Campus Ambassador** in "TECKZITE" 2019,a National Level Technical Fest.
- **1st place** in the All India Essay Writing competition by UNIC

SOFT SKILLS
Languages: • **English** • **Hindi** • **Nepali** • **Telugu**

Management Skills: Strong Verbal Communication, Project Management, Time Management, Problem Solving

INTERESTS
- **Exploring Technologies • Research • Travelling**